PIGADA ZK02 Stud Finder User Manual

Contents

PIGADA ZK02 Stud Finder

Product Accessories

- 1 x PIGADA ZK02 Stud Finder
- 1 x Packing Bag
- 1 x User Manual
- 2 x 1.5V AAA Alkaline Battery

*** Reminder:** Please check whether the accessories are complete

Battery Installation And Boot page

Battery Installation

Please refer to the picture to install the positive and negative poles of the battery.


Please place the battery correctly according to the picture
SENSOR
Positive "+"
Negative "-"

Boot page

Figure I

- Short press the button to turn on, and it will enter the metal detection mode.

Metal detection Ferrous metal detection

Metal detection: Ferrous metal detection

- The maximum detection depth of ferrous metals is 120mm.
- After the product is turned on, it can be detected after being calibrated against the wall.

- When the measured object is a standard steel-reinforced copper pipe with a diameter of 18mm, the depth value accuracy is the best.
- Fe-containing metal detected nearby.
- When an object is detected, the yellow or red indicator lights up.

Detect center

- When the detector displays a magnetic metal symbol, it means that the current measured object is generally steel.

Metal detection non-magnetic metal

Metal detection: non-magnetic metal

- The maximum detection depth of soldering iron metal is 100mm.The detection method is the same as that of ferrous metals.
- When the detector does not display a magnetic or non-magnetic metal symbol, it means that the current measured object is generally an alloy.

- When the center is detected, the buzzer will sound.
- When the detector displays a non-magnetic metal symbol, it means that the current measured object is generally a wire or copper tube.

Wood Stud detection

- Wood Stud detection are suitable for detection on gypsum boards.
- Detection needs to be lightly close to the wall and always in contact with the wall.
- Long press for 3 seconds to switch depth mode, the green light flashes and a beep sounds.

- When an object is detected, the yellow or red indicator lights up. The edge of the object is detected, the percentage will gradually increase.

- The center point of the object is detected.

Copper wire

Copper wire (≥4 mm2)

- Maximum detection depth of live copper wire 40mm.

Detect center

- When the AC power symbol of the detector flashes, it means there is AC power nearby.

When AC power is detected with other objects

- When detecting metal or wood and AC power is detected at the same time, the AC power symbol will be displayed.
- The red light flashes to give an alarm and emits a rapid tone.
- When AC power is detected with other objects Live cables can be detected in both metal mode and foreign object mode (≥4mm2).

Warning: If the wall contains wires, please pay attention to safety.

- Turn off the power, gas and water before drilling.
- When AC power is detected with wood stud

Detect Wire mode

The maximum detection depth of a live cable is 50mm; if the cable is not charged, the detection depth will be reduced.

Conditions affecting measurement depth:

Terms and Conditions

This detector can detect metals (rebars, copper pipes) and cables hidden in walls, ceilings and floors; wooden beams, metals, and cables under plaster.
Ensure that there is no moisture in the detection area before starting up.

Working humidity range:

- 0-85%RH for ferrous metals,
- 0-60%RH for foreign object mode,
- 0-30%RH for alternating current mode.

Conditions to be calibrated

- In any case the instrument has a signal display, it needs to be calibrated.

Calibration method

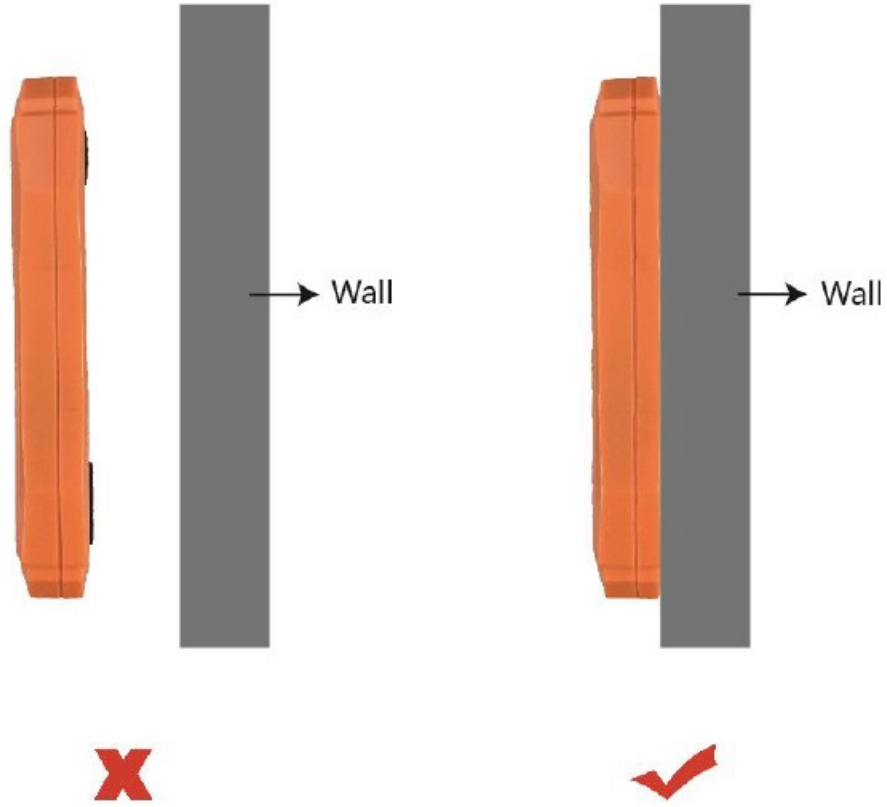
Metal mode calibration:

Place the instrument in an environment free from metal and strong magnetic field interference (such as: Lifting the instrument into the air by hand,) press and hold the metal button for 3 seconds, and the green light will turn on again to indicate a successful calibration.

Cable mode calibration:

- If there is an alarm sound in every corner of the room, this is due to high humidity or strong static electricity on the wall.
- At the current position (either on the wall or in the air), long press the button to calibrate, the green light will turn on again, and the signal strength percentage will display 0%.
- Release the button to continue detection.

Wood mode calibration:



- Attach it to the wall to ensure that there is no object in the wall for calibration (when there is no object, the display percentage shows 0% and there is no AC icon).
- Long press the wood mode button for 2s, the green light will light up again and a beep will sound, release the button to continue detection.

Component Description

1. **Red:** The center of the sensor was located
2. **Yellow:** Getting closer to the target
3. **Green:** The detector has calibrated automatically and get read
4. Battery Indicator
5. LCD Screen
6. Power ON/OFF
7. Wood Studs Button(exact/deep Mode)
8. Detect Wire/Metal Button
9. Detection area
10. Battery compartment

*Repeated detection many times to improve accuracy
When the product is not in use, the battery must be removed from the instrument. If it is left for a long time, the battery will corrode or discharge automatically.

Parameter

Parameter	
Maximum detection depth	
Ferrous metals	120mm
Non-ferrous metals (copper)	100mm
Alternating current	50mm
Copper wire (≥4mm²)	40mm
Foreign body mode (wood detection)	Exact20mm/Deep 38mm
Automatic shutdown time	5Mins
Working humidity range:	
Metal pattern	0-85%RH
Foreign body mode	0-60%RH
Range of working temperature	-10°~+50°
Storage temperature range	-20°~+70°
Battery	2*1.5V AAA alkaline battery
usage time	2Hrs
Dimensions	159.5*77*22.3mm

Maintenance,Service, Cleaning

- Use a dry and soft cloth to wipe off the dirt on it.
- Do not use detergent or other solutions.
- Do not stick labels or metal nameplates on the detection areas on the front and back sides of the instrument.
- Use the enclosed packaging to store and carry the instrument.

Disposal of waste

- The damaged detector, product accessories and packaging must be recycled and used in a manner that meets environmental requirements
- The right to modify is reserved.

Documents / Resources

	PIGADA ZK02 Stud Finder [pdf] User Manual ZK02 Stud Finder, ZK02, Stud Finder, Finder

References

- **User Manual**